

DEPARTMENT OF THE ARMY INSTALLATION MANAGEMENT AGENCY HEADQUARTERS, UNITED STATES ARMY GARRISON, DUGWAY PROVING GROUND DUGWAY UTAH 84022-5000

REPLY TO ATTENTION OF:

March 3, 2008

HAND DELIVERED

Directorate of Environmental Programs

MAR 0 3 2008

Dennis R. Downs
Director
Division of Solid and Hazardous Waste
Utah Department of Environmental Quality
P.O. Box 144880
Salt Lake; City, Utah 84114-4880

UTAH DIVISION OF SOLID & HAZARDOUS WASTE 08.00852

Dear Mr. Downs:

On behalf of U.S. Army Dugway Proving Ground (Dugway), I am pleased to submit Dugway's Solid Waste Landfill Annual Report for your review. The enclosed Dugway 2008 Solid Waste Landfill Annual Report is in accordance with Utah Administrative Code (UAC) R315-302 Solid Waste Facility Location Standards General Facility Requirements and Closure Requirements. The report reflects a total tonnage of 4585 for 2007. A fee is not required due to the tonnage being less than 5000 tons.

If you have any questions or need additional information regarding this submission, please direct your staff to contact Mr. Gerald Mason of my staff at (435) 831-3369.

Sincerely,

Joseph R. Gearo, Jr.

Director

Environmental Programs

rept R Seaw, J

2 Enclosures

- 1. Dugway 2008 Solid Waste Landfill Annual Report
- 2. Griffin Services Gas Monitoring Report (Quarterly Reporting)

Mail to: Dennis R. Downs, Director Division of Solid and Hazardous Waste P.O. Box 144880 Salt Lake City, Utah 84114-4880

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SOLID & HAZARDOUS WAS TE RT 08.00852

SOLID WASTE LANDFILL ANNUAL REPORT 08.0085

For Calendar year 2007 or most recent fiscal year

Administrati	ve Information (Please	enter all the information reque	ested below - type or print le	egibly)
		Proving Ground Engli		
Facilit	y Mailing Address: 53	30 Valdez Circle, MS	#1, Room 2306	
·		(Number & Street, Box and/or Rou	ute)	
	City: Dugway		Zip Code: 84022-500	10
	County: Tooele			
Owner				
		Proving Ground Phone	No.:(435) 831-	3560
	Mailing Address: 53	30 Valdez Circle, MS	#1, Room 2306	
		(Number & Street, Box and/or Ros	ute)	
	City: Dugway	State: Utah	Zip Code: 84022-500	00 Chartier Charling
	Contact's Name: Ger	State: Utah ald Mason	e: Environmental Pro	
	Contact's Mailing Add	dress: -SAME- -3369 Contact's Email	1 1 1 1	
	Phone No.: $(435)^{-831}$	Contact's Emai	I Address: gerald.l.ma	ason@us.army.mil
Operat	OT (Complete this section only if	the operator is not an employee of	the Owner shown above)	
	Name: N/A	Phone 1	No.:()	
	Mailing Address:			
	~·	(Number & Street, Box and/or Ro	ute)	
	City:	_ State:	Zip Code:	
	Contact's Name:	State:Title dress:	e:	
	Contact's Mailing Add	dress:	1 A 11	
	Phone No.:()	Contact's Emai	Address:	
Facility Type	and Status			
			— a	
	Class I	Class IIIb	Class V	
	=	Class IVa	∐ Class VI	
	∐ Class IIIa	Class IVb		٦
	l not operated under a separ	are permit manifest	Yes No X	
ii iacii	ity was permanently ci	losed during the year en	iter date closed.	
Annual Dispo	osal			
	ons received at facility		m . 1	
Waste Type		ste Origin Out-of-State	Total	Measurement Tons Cubic
	In-State	Out-of-State		Yards
Municipal	607.11	0	607.11	_ X
Industrial	3977.97	0	3977.97	_ X _
C/D^1				
lon		137 371 1 4611 11		

Conversion	Factor Us	e d				
	Conversion	on factors used factor from rul c conversion us	es (R315-302-			
Recycling						
Mater (Mater	erial Recyclial recycled should	ed: 249.45 d not be included in d	isposed tons reported	. Report compost on se	parate form. C	Tons/Cubic Yds.
Utah Dispo	sal Fee					
Disp	osal Fee Re	equired to be Pa	aid to State	Yes No 🛚		
Fee	e Paid	Municipal Industrial	<u>\$</u> <u>\$</u>	C/I Ann		
Landfill Ca	pacity					arcid.
Curr	Tons:	Remaining Ca		Cubic Yard Acres:	ds:	
Financial A	ssurance					
Curr Curr Curr Mec <u>Finan</u> inflat	ent Post-Cl ent Amoun (If balance d ent Financi (ie. Bond, Tr hanism Hol (ie. Name of cial Assurance ion and design ties that are u Facilities	al Assurance Must Fund, Corporate or der and Accourage Bond Company, Banke: Each facility man changes each yearing a trust accourasing "Local Governments and Bovernments accounts and Bovernments and Bovernments accounts account and Bovernments accounts account a	mate: 5,60 Mechanism: dechanism: rechanism: rechanism: rechanism: rechanism: rechanism: rechant Number: rechant Number: rechant recalculate that. The inflation of the should include the rechant Financia	d post-closure care pleas Federal Govern :.) Federal Gove r)	ernment and post-clos d on the Div recent acco	sure care to account for rision web page. bunt statement. notal Test" must
Other Requ	iired Repo	rts				
Groun	nd Water Mor	nitoring: Class I a	nd V landfills on	ly. Check if exemp	ot ×	
Explo	osive Gas Mor	nitoring: Class I, I	I and V landfills	only. Check if <u>exe</u>	mpt	
year. Signature: Signature should	se by an executiv	1 Skar	ner, proprietor, electer	d official, or a duly auth	Date:	ty personnel during the BMAY 2008 Intative. A duly authorized
Print name:		R. Gearo, Jr.			or, Envir	conmental Programs

3.6 Monitoring Page 4 of 4.

R315-302-2(2)(c), 2(4)(e); R315-303-2(2), -3(5)(a), -3(7)(b), -4(5); and

R315-308

Rev: 01 (09/30/04)

Exhibit 3.6-1. Gas Monitoring Form.

DATE	TIME	INSPECTOR	CGI CALIBRATED	LOCATION	%LEL	OBSERVATIONS	ACTION TAKEN IF %LEL >25%
5/8	08:56	PA	YES	SO / EAST	6		
5/8	09:05	eH .	YES	NO / ENST	0		
5/8	09:11	RA	YES	No/WEST	0		
·							
5/8 07	09/18	PA	YES	SO/WEST	0		

R315-302-2(2)(c) and 2(5)(a); R315-310-3(1)(g); R315-302-2(5)(a); and R315-303-4(7)(b)

Rev: 01 (03/18/04)

3.5 Inspections
Page 9 of 14.

Exhibit 3.5-2. Quarterly Inspection Form.

ENGLISH VILLAGE LANDFILL QUARTERLY INSPECTION FORM

Insped	tion Date: 5-8-07	Inspector's Name: RKK HARREON				
Insped	ction Time: 09./24	Inspector's Name: RKK HAPRISON Inspector's Signature: Ruk Haus				
	Operatio	ns Checklist				
2	Wastes are sufficiently compacted					
2	A minimum of 6 inches of soil cover is applied (car	n be more than 6 inches)				
3	Interim cover is being applied and graded appropr	iately				
	Trench walls are constructed in accordance with C	Occupational Safety and Health Administration standards				
	Fences and signs (e.g., entrance signs, asbestos	signs) are maintained in functional and clean condition				
2	Landfill area is free of wind blown debris					
8	Suspect vehicles and periodic loads are checked	to ensure no hazardous waste is placed in the Landfill				
2	Appropriate waste handling procedures are follow	ed according to Section 3.4				
2	Dust control activities are performed as appropria	te (watering, reseeding, and soil amendments)				
2	Roads are constructed and maintained for use du	ring all types of weather				
	Run-on/-off control prevents water from entering of	or leaving active trench areas				
2	Site operations minimize the size of the unloading	area				
2	Fire-break is maintained around active portion of the Landfill					
	No evidence of open burning or scavenging exists					
	Boundary posts are clearly visible					
	Landfill sign provides correct hours of operation, a current emergency phone number	a list of materials that are not accepted at the Landfill, and a				
	Equipment/Monito	ring Systems Checklist				
2	Portable fire extinguisher (in the on-site trailer)					
2	Solid waste and earth moving equipment (e.g., but	ılldozer)				
A	Groundwater monitoring wells					
	Appropriate Personal Protective Equipment					
Ta	First aid kit					
	Vector	s Checklist				
8	No standing water exists					
	No uncovered putrescible waste or dead animals	exists				
a	No evidence of disease carrying vectors exists (e	.g., visual surveys, droppings, tracks, gnawing, and nesting)				
2	No bulk or free liquid waste exists					

R315-302-2(2)(c) and 2(5)(a); R315-310-3(1)(g); and R315-303-4(7)(b)

Rev: 01 (09/30/04)

3.5 Inspections
Page 9 of 9.

Exhibit 3.5-2. Quarterly Inspection Form.

ENGLISH VILLAGE LANDFILL QUARTERLY INSPECTION FORM

	Records	s Checklist					
2	Current copy of the Plan of Operation is available a	at the on-site trailer and the Landfill office					
2	File maintained by Landfill operator contains waste	shipment records for all asbestos waste accepte	d l				
	File maintained by Landfill operator contains comp	leted freon free forms (for waste refrigerators/free	zers)				
	File maintained by Landfill operator and appropriat recycling related storage pile programs that are be Recycling Program						
	The following information is provided by site operators in Logbook of contractor/civilian deliveries: Type of waste Organization Customer name Date and time Quantity						
	Site operators record trench locations and types of	•					
	All appropriate information as described in Section Landfill Operating Record maintained by DIS, incluincident reports, and training records						
			Date				
	Observations	Recommended Actions	Completed				
·							
		·					

R315-302-2(2)(c), 2(4)(e); R315-303-2(2), -3(5)(a), -3(7)(b), -4(5); and

R315-308

Rev: 01 (09/30/04)

Exhibit 3.6-1. Gas Monitoring Form.

DATE	TIME	INSPECTOR	CGI CALIBRATED	LOCATION	%LEL	OBSERVATIONS	ACTION TAKEN IF %LEL >25%
8/23/ 101	2:45	lA	VES	NORTH EAST	0	NONE	
8/z3/ 107	2:49	RH	YES	NORTH WEST	0	NONÉ	
8/23/	Z:5 ²	PA	YES	SOUTH WEST	0	NONE	
8/23/07	2:55	PH	YES	SOUTH EAST	0	HONLE	·

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Exhibit 3.5-2. Quarterly Inspection Form.

ENGLISH VILLAGE LANDFILL QUARTERLY INSPECTION FORM

Insped	ction Date: 8-23-07	Inspector's Name: RICK HARRISON				
Insped	ction Time: 2:45	Inspector's Signature: Ruck Harusa				
	Operation	ns Checklist				
Ø	Wastes are sufficiently compacted					
Ø	A minimum of 6 inches of soil cover is applied (car	be more than 6 inches)				
Z	Interim cover is being applied and graded appropri	ately				
Ø	Trench walls are constructed in accordance with O	ccupational Safety and Health Administration standards				
Ø	Fences and signs (e.g., entrance signs, asbestos s	signs) are maintained in functional and clean condition				
Ø	Landfill area is free of wind blown debris					
Ø	Suspect vehicles and periodic loads are checked to	o ensure no hazardous waste is placed in the Landfill				
Ø	Appropriate waste handling procedures are followed	ed according to Section 3.4				
Ø	Dust control activities are performed as appropriate	e (watering, reseeding, and soil amendments)				
Ø	Roads are constructed and maintained for use dur	ing all types of weather				
Ø	Run-on/-off control prevents water from entering of	r leaving active trench areas				
Ø	Site operations minimize the size of the unloading area					
Ø	Fire-break is maintained around active portion of the Landfill					
Ø	No evidence of open burning or scavenging exists					
Ø	Boundary posts are clearly visible					
2	Landfill sign provides correct hours of operation, a current emergency phone number	list of materials that are not accepted at the Landfill, and a				
	Equipment/Monitor	ing Systems Checklist				
12	Portable fire extinguisher (in the on-site trailer)					
Ø	Solid waste and earth moving equipment (e.g., bu	lldozer)				
	Groundwater monitoring wells					
Ø	Appropriate Personal Protective Equipment					
Ø	First aid kit					
	Vector	s Checklist				
Ø	No standing water exists					
Ø	No uncovered putrescible waste or dead animals	exists				
Ø	No evidence of disease carrying vectors exists (e.	g., visual surveys, droppings, tracks, gnawing, and nesting)				
Ø	No bulk or free liquid waste exists					

R315-302-2(2)(c) and 2(5)(a); R315-310-3(1)(g); and R315-303-4(7)(b)

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3.5 Inspections
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Exhibit 3.5-2. Quarterly Inspection Form.

ENGLISH VILLAGE LANDFILL QUARTERLY INSPECTION FORM

"	Records	s Checklist	-			
Ø	Current copy of the Plan of Operation is available a	at the on-site trailer and the Landfill office				
	File maintained by Landfill operator contains waste shipment records for all asbestos waste accepted					
Ø	File maintained by Landfill operator contains comp	leted freon free forms (for waste refrigerators/fr	reezers)			
Ø	File maintained by Landfill operator and appropriate recycling related storage pile programs that are be Recycling Program					
2	The following information is provided by site opera Type of waste Organization Customer name Date and time Quantity					
1 2	Site operators record trench locations and types of	f waste deposited in the trenches				
D.	All appropriate information as described in Section Landfill Operating Record maintained by DIS, incluincident reports, and training records					
		¢	Date			
	Observations	Recommended Actions	Completed			
—						

3.6 Monitoring Page 4 of 4. R315-302-2(2)(c), 2(4)(e); R315-303-2(2), -3(5)(a), -3(7)(b), -4(5); and

R315-308

Rev: 01 (09/30/04)

Exhibit 3.6-1. Gas Monitoring Form.

DATE	TIME	INSPECTOR	CGI CALIBRATED	LOCATION	%LEL	OBSERVATIONS	ACTION TAKEN IF %LEL >25%
11/07/01	1300	Som also	105	Se Colver	8	·	
U/ 13/ 101	1305	5		NO ENST COMMER	D		
11/12/101	1310			NW Cohwell	D		
11/19/	1315			5 W BOLNER	6		

R315-302-2(2)(c) and 2(5)(a); R315-310-3(1)(g);

R315-302-2(5)(a); and R315-303-4(7)(b)

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Exhibit 3.5-2. Quarterly Inspection Form.

ENGLISH VILLAGE LANDFILL QUARTERLY INSPECTION FORM

Inspe	ction Date: //-23-67	Inspector's Name: Seo H P. Y				
Inspe	ction Time: 1300	Inspector's Signature:				
	Operatio	ns Checklist				
70,	Wastes are sufficiently compacted					
1	A minimum of 6 inches of soil cover is applied (cal	n be more than 6 inches)				
Ø	Interim cover is being applied and graded appropr	riately				
Ø	Trench walls are constructed in accordance with 0	Occupational Safety and Health Administration standards				
كلا	Fences and signs (e.g., entrance signs, asbestos	signs) are maintained in functional and clean condition				
4	Landfill area is free of wind blown debris					
6 ,	Suspect vehicles and periodic loads are checked	to ensure no hazardous waste is placed in the Landfill				
Ø.	Appropriate waste handling procedures are follow	ed according to Section 3.4				
1 2 2 2 3 3 4 4 4 4 4 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8	Dust control activities are performed as appropria	te (watering, reseeding, and soil amendments)				
4	Roads are constructed and maintained for use du	ring all types of weather				
Z,	Run-on/-off control prevents water from entering of	or leaving active trench areas				
2	Site operations minimize the size of the unloading area					
9	Fire-break is maintained around active portion of	the Landfill				
4	No evidence of open burning or scavenging exists	S				
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Boundary posts are clearly visible	a list of materials that are not accepted at the Landfill, and a				
	current emergency phone number	a list of materials that are not accepted at the Landilli, and a				
ļ						
		ring Systems Checklist				
<u>ل</u> ا	Portable fire extinguisher (in the on-site trailer)					
	Solid waste and earth moving equipment (e.g., but Groundwater monitoring wells	Jildozer)				
2	Appropriate Personal Protective Equipment					
	First aid kit	,				
	I ast all Mt					
	Vector	rs Checklist				
Ø,	No standing water exists					
Q	No uncovered putrescible waste or dead animals	exists				
d	No evidence of disease carrying vectors exists (e	e.g., visual surveys, droppings, tracks, gnawing, and nesting)				
Ø	No bulk or free liquid waste exists					
	,					

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R315-302-2(2)(c) and 2(5)(a)); R315-310-3(1)(g); R315-302-2(5)(a); and R315-303-4(7)(b) Rev: 01 (03/18/04)

Exhibit 3.5-2. Quarterly Inspection Form.

ENGLISH VILLAGE LANDFILL QUARTERLY INSPECTION FORM

	Records	s Checklist						
Z	Current copy of the Plan of Operation is available a	t the on-site trailer and the Landfill office						
Ø	File maintained by Landfill operator contains waste shipment records for all asbestos waste accepted							
	File maintained by Landfill operator contains completed freon free forms (for waste refrigerators/freezers)							
DA .	File maintained by Landfill operator and appropriate information provided for any salvageable material or recycling related storage pile programs that are being conducted at the Landfill as described in Section 3.12, Recycling Program							
Ø	The following information is provided by site operators in Logbook of contractor/civilian deliveries:							
	 Type of waste Organization Customer name Date and time Quantity 							
D	Site operators record trench locations and types of	waste deposited in the trenches						
₽	All appropriate information as described in Section Landfill Operating Record maintained by DIS, inclu incident reports, and training records	3.7, Record Keeping and Reporting, is maintained ding groundwater and gas monitoring results, ann	d in the ual reports,					
			Date					
 	Observations	Recommended Actions	Completed					
II.	·							

-3.6 Monitoring Page 4 of 4. R315-302-2(2)(c), 2(4)(e); R315-303-2(2), -3(5)(a), -3(7)(b), -4(5); and

R315-308

Rev: 01 (09/30/04)

Exhibit 3.6-1. Gas Monitoring Form.

	DATE	TIME	INSPECTOR	CGI CALIBRATED	LOCATION	%LEL	OBSERVATIONS	ACTION TAKEN IF %LEL >25%
		1030	Six	Yes	SE COLVER			
	2/16					D		
	Ch/ 13/	1045			NE Conner			
	14/06			\ \		O	·	
	The state of the s	//00			NW Colver	,		
	101 1490					8		
1.11)	A STATE OF THE PARTY OF THE PAR	1110			5W Convik	8		

R315-302-2(2)(c) and 2(5)(a); R315-310-3(1)(g);

R315-302-2(5)(a); and R315-303-4(7)(b)

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Exhibit 3.5-2. Quarterly Inspection Form.

ENGLISH VILLAGE LANDFILL QUARTERLY INSPECTION FORM

Inspec	ction Date: <i>Z - 2</i> 0 -08	Inspector's Name: SON PIN			
Inspec	ction Time: 1636	Inspector's Signature:			
	Operations Checklist				
M	Wastes are sufficiently compacted				
	A minimum of 6 inches of soil cover is applied (can be more than 6 inches)				
K	Interim cover is being applied and graded appropriately				
Ø	Trench walls are constructed in accordance with Occupational Safety and Health Administration standards				
Z _	Fences and signs (e.g., entrance signs, asbestos signs) are maintained in functional and clean condition				
Ø	Landfill area is free of wind blown debris				
Ø	Suspect vehicles and periodic loads are checked to ensure no hazardous waste is placed in the Landfill				
Ø	Appropriate waste handling procedures are followed according to Section 3.4				
Ø	Dust control activities are performed as appropriate (watering, reseeding, and soil amendments)				
4	Roads are constructed and maintained for use during all types of weather				
Ø	Run-on/-off control prevents water from entering or leaving active trench areas				
12	Site operations minimize the size of the unloading area				
	Fire-break is maintained around active portion of the Landfill				
	No evidence of open burning or scavenging exists				
	Boundary posts are clearly visible				
Ø	current emergency phone number	list of materials that are not accepted at the Landfill, and a			
	Equipment/Monitor	ing Systems Checklist			
0	Portable fire extinguisher (in the on-site trailer)				
	Solid waste and earth moving equipment (e.g., bu	lidozer)			
	Groundwater monitoring wells				
Ø	Appropriate Personal Protective Equipment				
Ø	First aid kit				
	Vectors Checklist				
Ø	No standing water exists				
	No uncovered putrescible waste or dead animals	exists			
Ø	No evidence of disease carrying vectors exists (e.	g., visual surveys, droppings, tracks, gnawing, and nesting)			
Ø	No bulk or free liquid waste exists				
1					

3.5 Inspections
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R315-302-2(2)(c) and 2(5)(a)); R315-310-3(1)(g); R315-302-2(5)(a); and R315-303-4(7)(b) Rev: 01 (03/18/04)

Exhibit 3.5-2. Quarterly Inspection Form.

ENGLISH VILLAGE LANDFILL QUARTERLY INSPECTION FORM

Page 2 of 2.

	Current copy of the Plan of Operation is available at the on-site trailer and the Landfill office File maintained by Landfill operator contains waste shipment records for all asbestos waste accepted				
Ø					
Ø	File maintained by Landfill operator contains completed freon free forms (for waste refrigerators/freezers)				
a	File maintained by Landfill operator and appropriate information provided for any salvageable material or recycling related storage pile programs that are being conducted at the Landfill as described in Section 3.12, Recycling Program				
6	The following information is provided by site operators in Logbook of contractor/civilian deliveries: Type of waste Organization Customer name Date and time Quantity				
Ø	Site operators record trench locations and types of waste deposited in the trenches				
P	All appropriate information as described in Section 3.7, Record Keeping and Reporting, is maintained in the Landfill Operating Record maintained by DIS, including groundwater and gas monitoring results, annual reports, incident reports, and training records				
	Observations	Recommended Actions	Date Completed		
 					
111					

Records Checklist